

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013124\
 Data File : VN080840.D
 Acq On : 31 Jan 2024 15:08
 Operator : JC\MD
 Sample : P1279-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 1255

Quant Time: Jan 31 23:17:35 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N012924W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 29 12:54:23 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

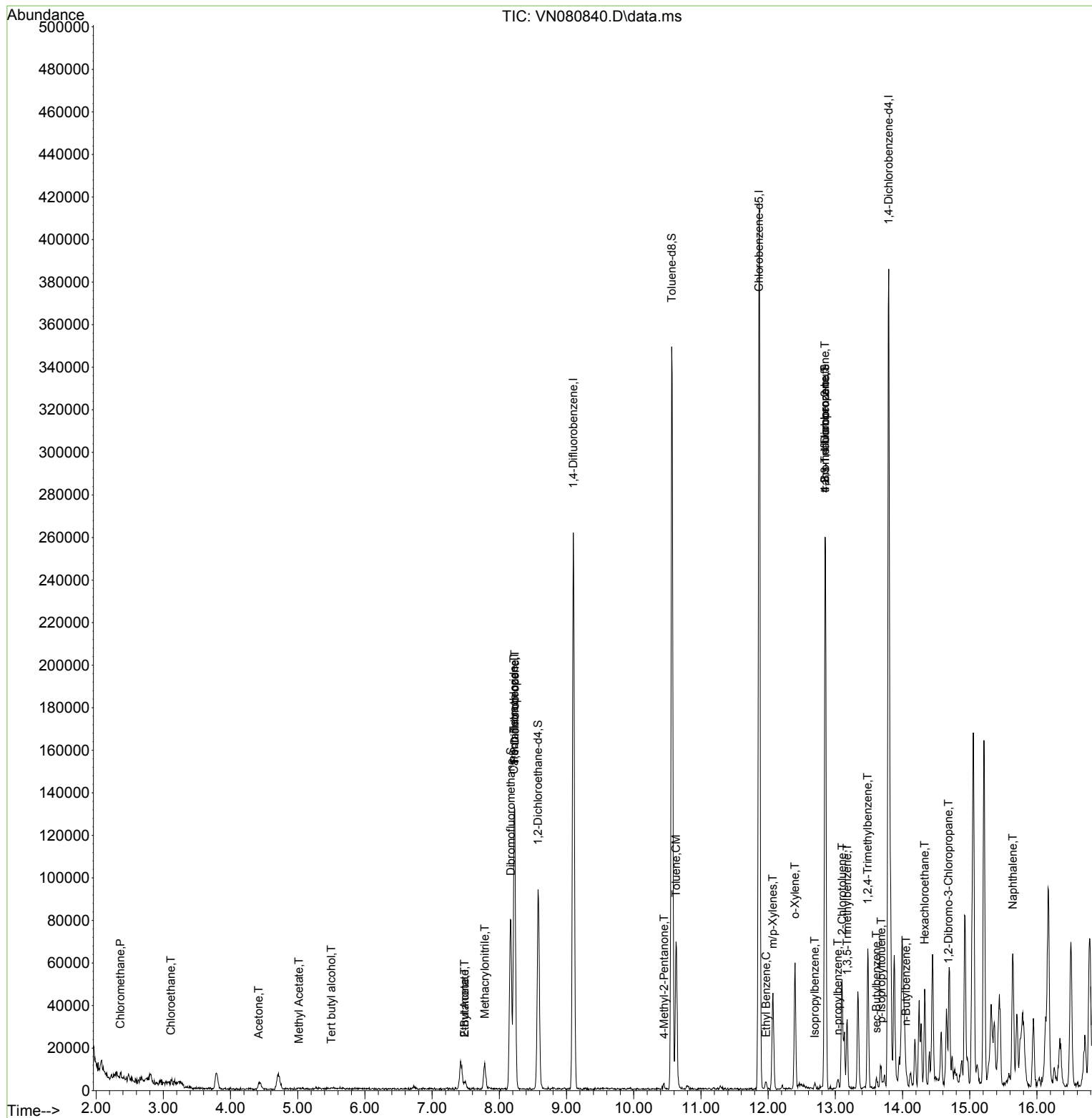
Internal Standards						
1) Pentafluorobenzene	8.224	168	85853	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	200247	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	211199	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	83790	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	70845	47.699	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.400%		
35) Dibromofluoromethane	8.171	113	55775	45.526	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.060%		
50) Toluene-d8	10.565	98	228467	47.647	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	95.300%		
62) 4-Bromofluorobenzene	12.847	95	89283	53.433	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	106.860%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	1990	1.038	ug/l	100
6) Chloroethane	3.112	64	181	0.233	ug/l #	42
11) Tert butyl alcohol	5.500	59	154	0.636	ug/l #	72
16) Acetone	4.418	43	2848	5.287	ug/l #	87
18) Methyl Acetate	5.018	43	761	0.405	ug/l #	69
25) 2-Butanone	7.483	43	6218	6.077	ug/l #	72
36) 1,1-Dichloropropene	8.230	75	10187	4.474	ug/l #	48
37) Ethyl Acetate	7.483	43	6218	2.653	ug/l #	70
38) Carbon Tetrachloride	8.218	117	9944	5.420	ug/l #	21
41) Methacrylonitrile	7.783	41	1962	1.420	ug/l #	48
51) 4-Methyl-2-Pentanone	10.453	43	1988	0.833	ug/l	93
52) Toluene	10.630	92	27789	7.242	ug/l	98
67) Ethyl Benzene	11.971	91	3147	0.367	ug/l #	71
68) m/p-Xylenes	12.071	106	13427	4.413	ug/l	95
69) o-Xylene	12.400	106	14640	4.843	ug/l	93
73) Isopropylbenzene	12.694	105	1835	0.239	ug/l	85
76) 1,2,3-Trichloropropane	12.847	75	52763	20.879	ug/l #	1
78) n-propylbenzene	13.035	91	4472	0.488	ug/l	97
79) 2-Chlorotoluene	13.100	91	5427	0.931	ug/l #	45
80) 1,3,5-Trimethylbenzene	13.176	105	16686	2.731	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.847	75	52763	53.787	ug/l #	14
84) 1,2,4-Trimethylbenzene	13.482	105	34279	5.537	ug/l	99
85) sec-Butylbenzene	13.612	105	2694	0.374	ug/l	85
86) p-Isopropyltoluene	13.682	119	4922	0.880	ug/l	84
89) n-Butylbenzene	14.053	91	3082	0.563	ug/l #	76
90) Hexachloroethane	14.329	117	2410	2.463	ug/l #	21
92) 1,2-Dibromo-3-Chloropr...	14.682	75	182	0.361	ug/l #	13
95) Naphthalene	15.641	128	51543	9.746	ug/l	97

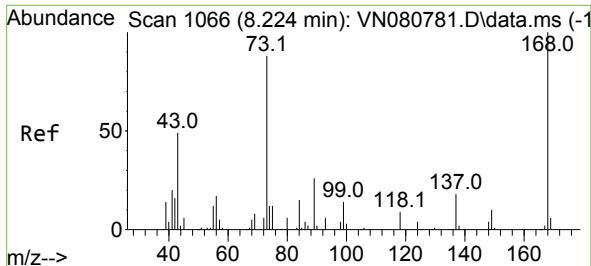
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013124\
Data File : VN080840.D
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Instrument :
MSVOA_N
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1255

Quant Time: Jan 31 23:17:35 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N012924W.M
Quant Title : SW846 8260
QLast Update : Mon Jan 29 12:54:23 2024
Response via : Initial Calibration

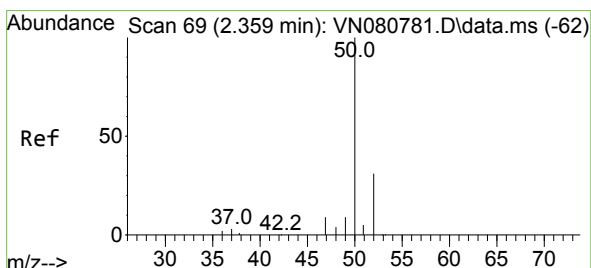
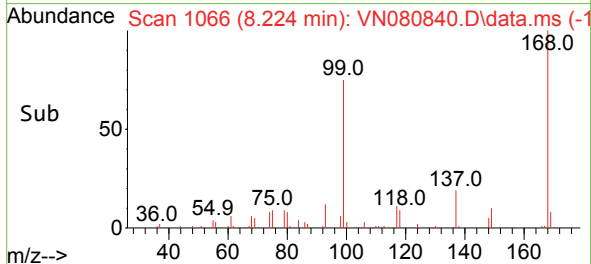
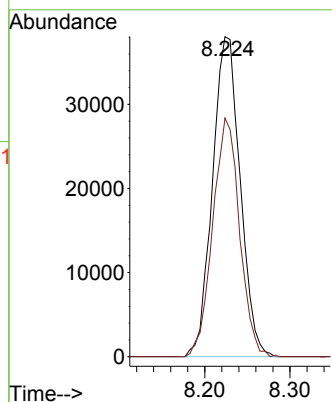
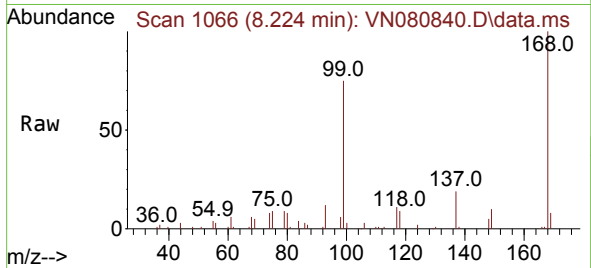




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN080840.D
Acq: 31 Jan 2024 15:08

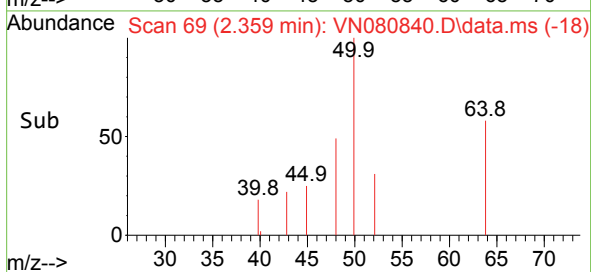
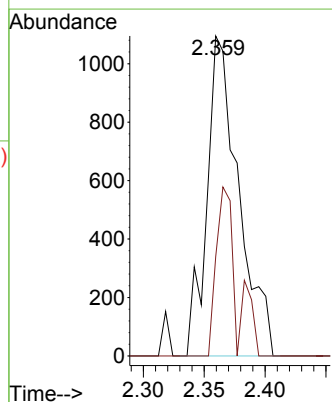
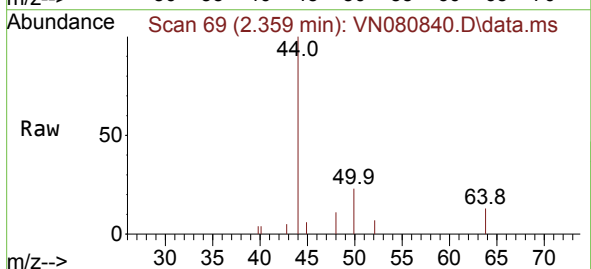
Instrument :
MSVOA_N
ClientSampleId :
1255

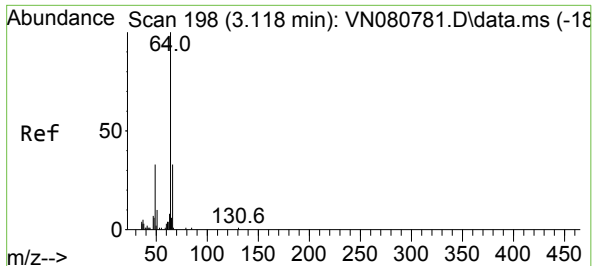
Tgt Ion:168 Resp: 85853
Ion Ratio Lower Upper
168 100
99 74.5 59.9 89.9



#3
Chloromethane
Concen: 1.038 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN080840.D
Acq: 31 Jan 2024 15:08

Tgt Ion: 50 Resp: 1990
Ion Ratio Lower Upper
50 100
52 31.1 25.0 37.4

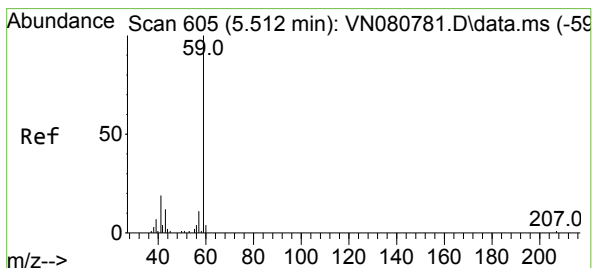
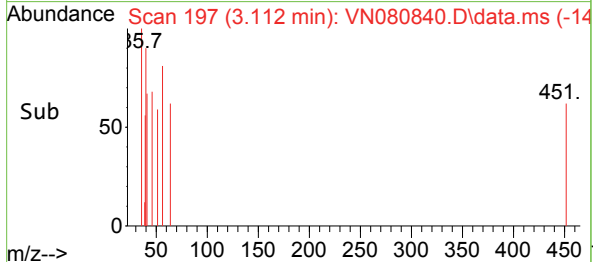
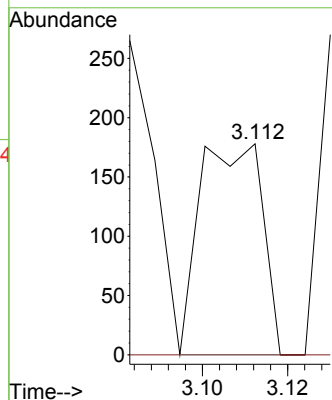
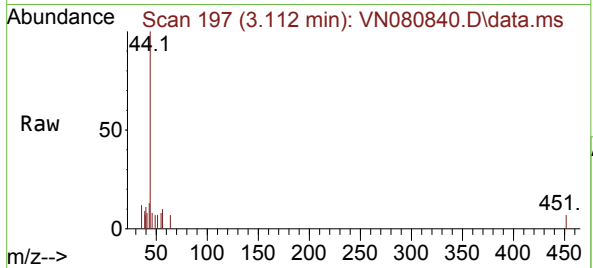




#6
Chloroethane
Concen: 0.233 ug/l
RT: 3.112 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN080840.D
Acq: 31 Jan 2024 15:08

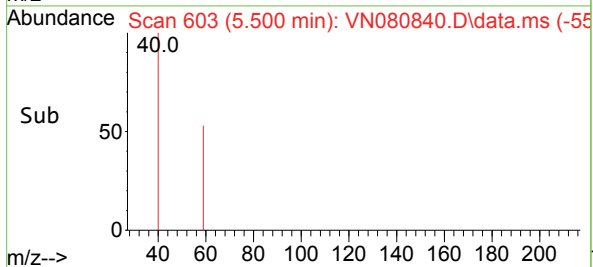
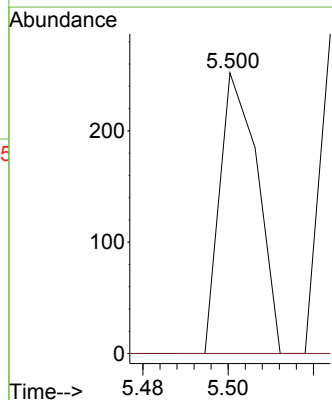
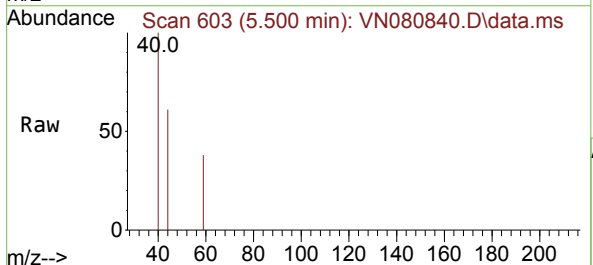
Instrument :
MSVOA_N
ClientSampleId :
1255

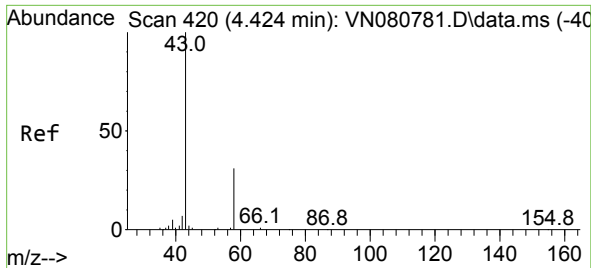
Tgt Ion: 64 Resp: 181
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#



#11
Tert butyl alcohol
Concen: 0.636 ug/l
RT: 5.500 min Scan# 603
Delta R.T. -0.012 min
Lab File: VN080840.D
Acq: 31 Jan 2024 15:08

Tgt Ion: 59 Resp: 154
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#





#16

Acetone

Concen: 5.287 ug/l

RT: 4.418 min Scan# 41

Delta R.T. -0.006 min

Lab File: VN080840.D

Acq: 31 Jan 2024 15:08

Instrument :

MSVOA_N

ClientSampleId :

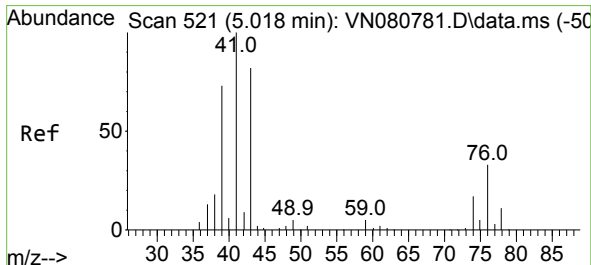
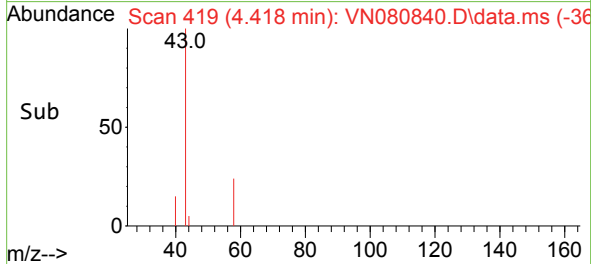
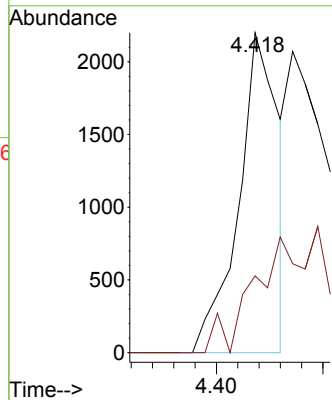
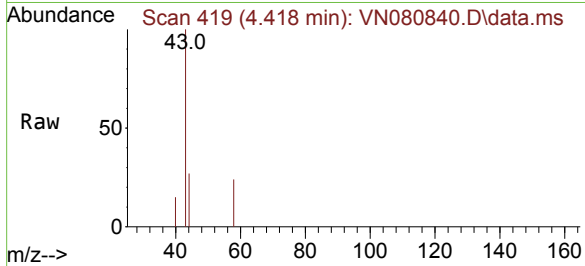
1255

Tgt Ion: 43 Resp: 2848

Ion Ratio Lower Upper

43 100

58 24.0 24.8 37.2#



#18

Methyl Acetate

Concen: 0.405 ug/l

RT: 5.018 min Scan# 521

Delta R.T. 0.000 min

Lab File: VN080840.D

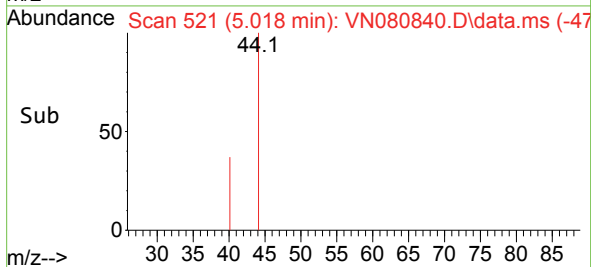
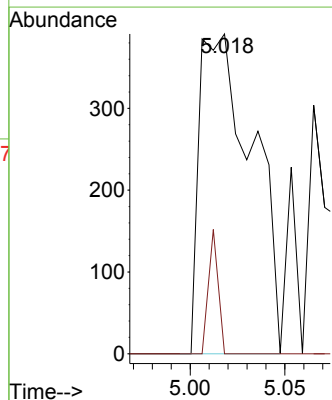
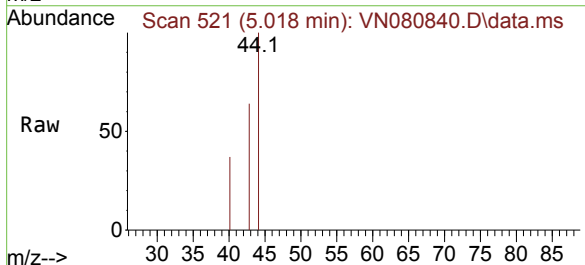
Acq: 31 Jan 2024 15:08

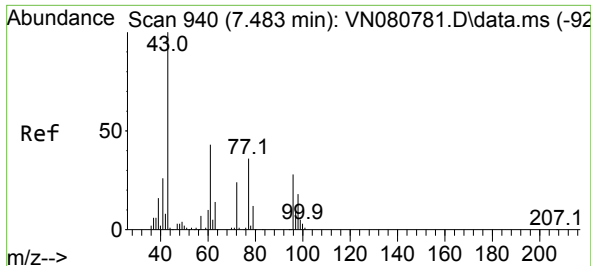
Tgt Ion: 43 Resp: 761

Ion Ratio Lower Upper

43 100

74 7.1 17.3 25.9#

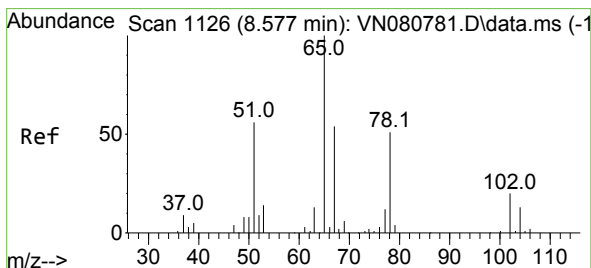
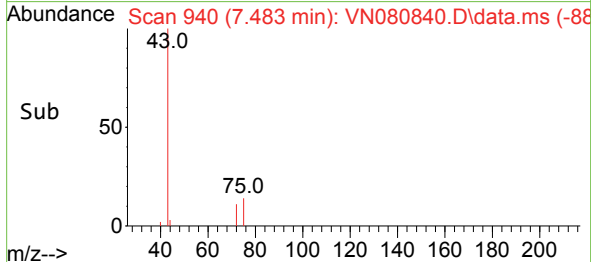
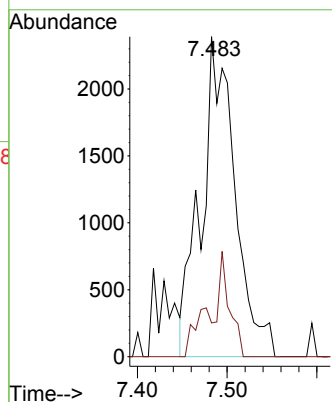
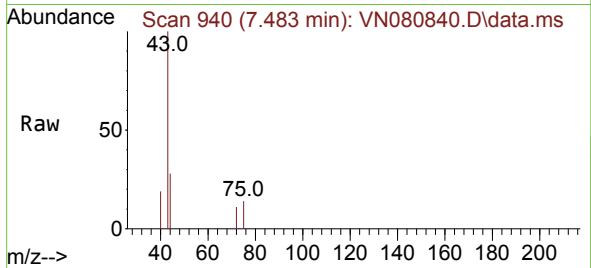




#25
2-Butanone
Concen: 6.077 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN080840.D
Acq: 31 Jan 2024 15:08

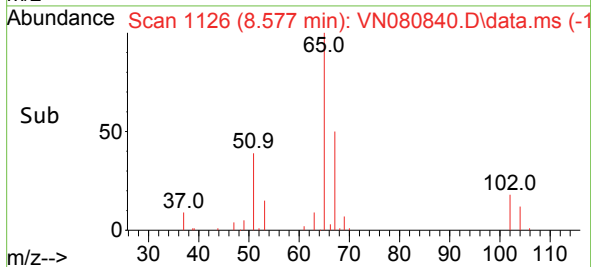
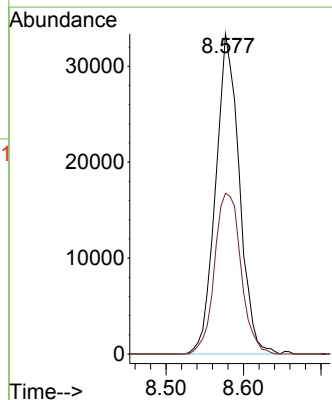
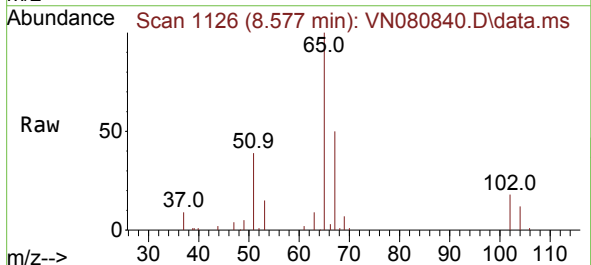
Instrument :
MSVOA_N
ClientSampleId :
1255

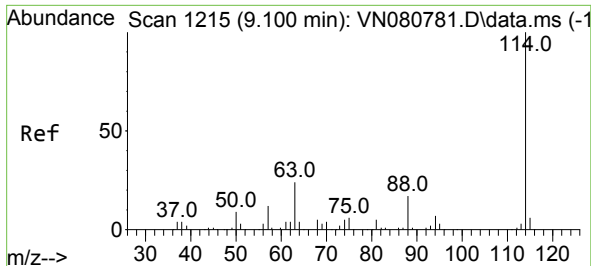
Tgt Ion: 43 Resp: 6218
Ion Ratio Lower Upper
43 100
72 10.5 19.5 29.3#



#33
1,2-Dichloroethane-d4
Concen: 47.699 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN080840.D
Acq: 31 Jan 2024 15:08

Tgt Ion: 65 Resp: 70845
Ion Ratio Lower Upper
65 100
67 56.2 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN080840.D

Acq: 31 Jan 2024 15:08

Instrument :

MSVOA_N

ClientSampleId :

1255

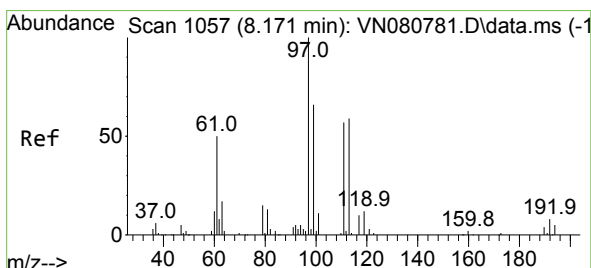
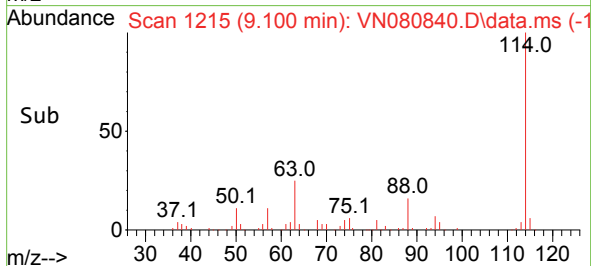
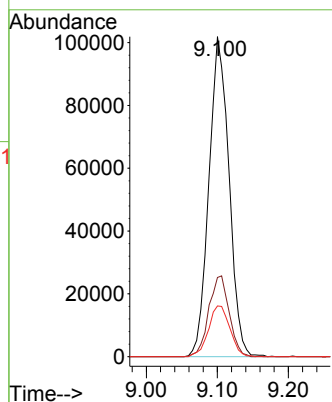
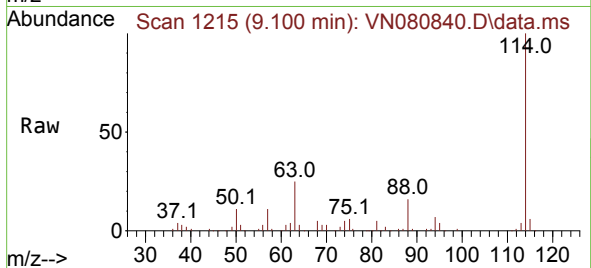
Tgt Ion:114 Resp: 200247

Ion Ratio Lower Upper

114 100

63 24.8 0.0 48.0

88 15.9 0.0 34.8



#35

Dibromofluoromethane

Concen: 45.526 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VN080840.D

Acq: 31 Jan 2024 15:08

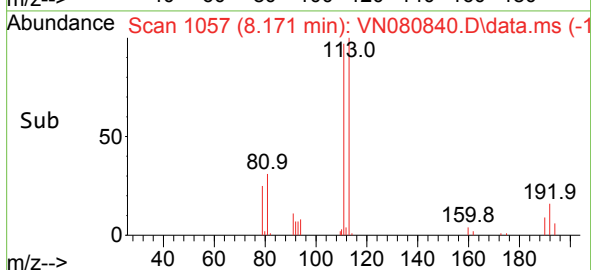
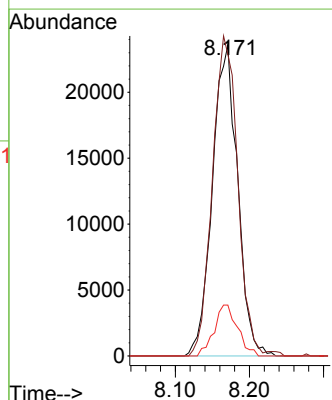
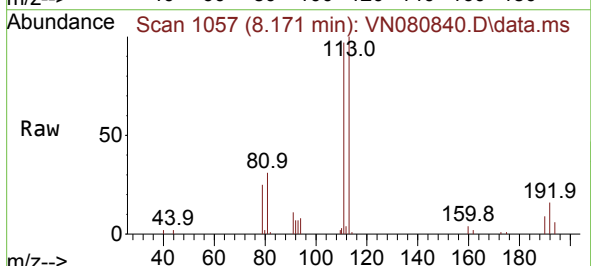
Tgt Ion:113 Resp: 55775

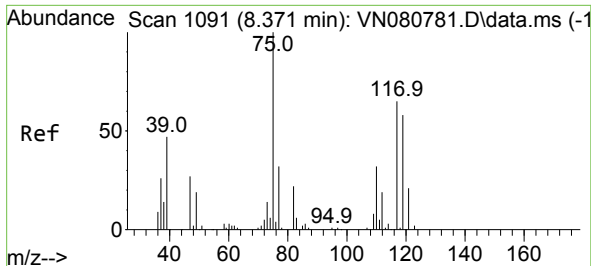
Ion Ratio Lower Upper

113 100

111 102.9 82.2 123.4

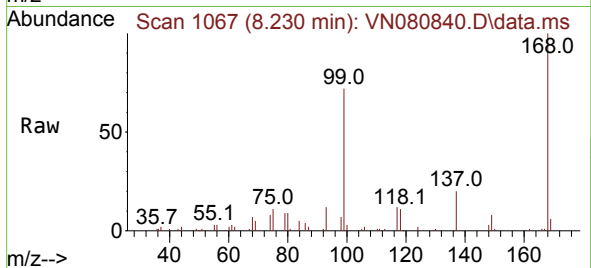
192 15.2 12.5 18.7



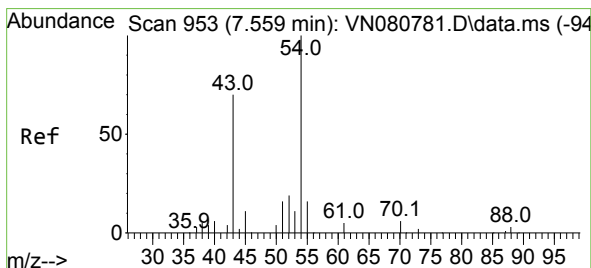
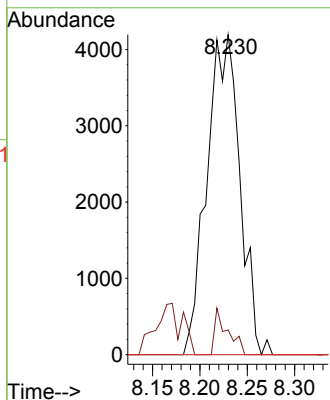
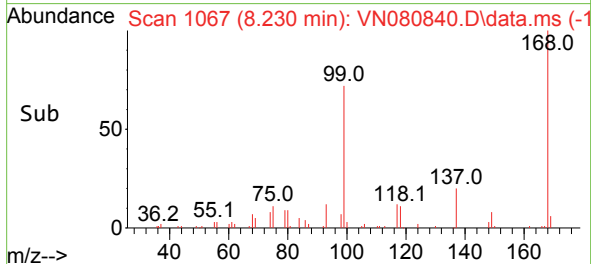


#36
1,1-Dichloropropene
Concen: 4.474 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN080840.D
Acq: 31 Jan 2024 15:08

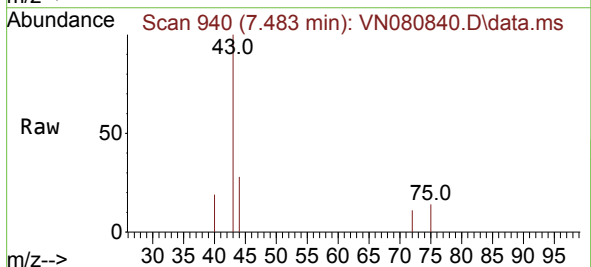
Instrument :
MSVOA_N
ClientSampleId :
1255



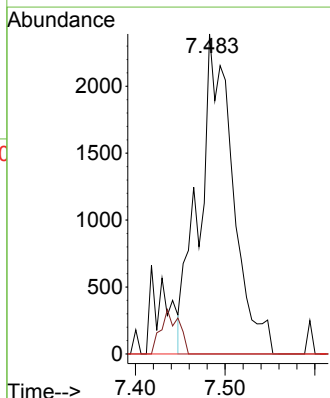
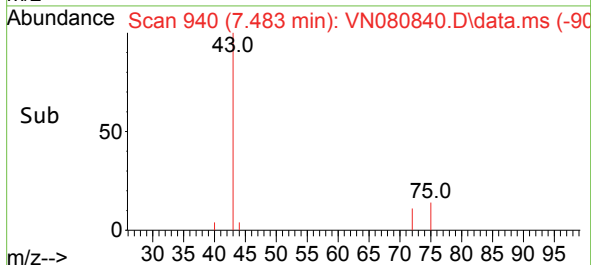
Tgt Ion: 75 Resp: 10187
Ion Ratio Lower Upper
75 100
110 5.7 16.0 48.0#
77 0.0 25.8 38.6#

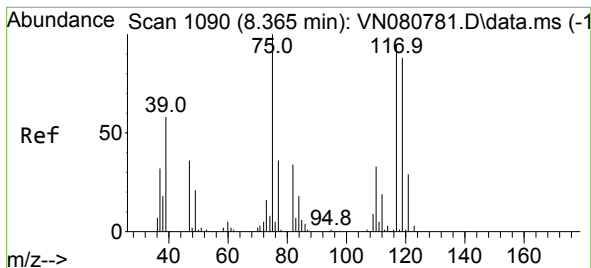


#37
Ethyl Acetate
Concen: 2.653 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.076 min
Lab File: VN080840.D
Acq: 31 Jan 2024 15:08



Tgt Ion: 43 Resp: 6218
Ion Ratio Lower Upper
43 100
61 0.0 10.6 15.8#
70 0.0 8.0 12.0#





#38

Carbon Tetrachloride

Concen: 5.420 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN080840.D

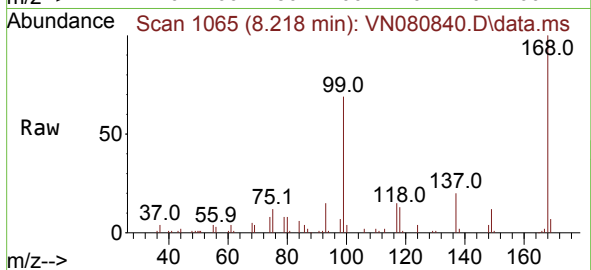
Acq: 31 Jan 2024 15:08

Instrument :

MSVOA_N

ClientSampleId :

1255



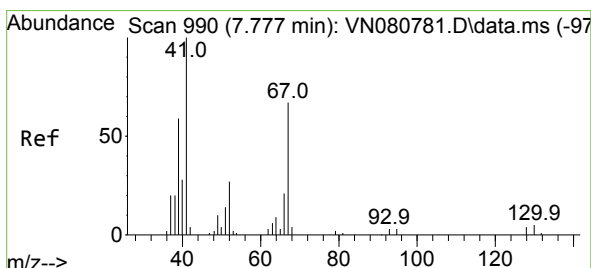
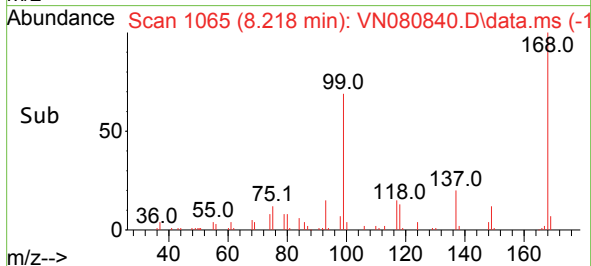
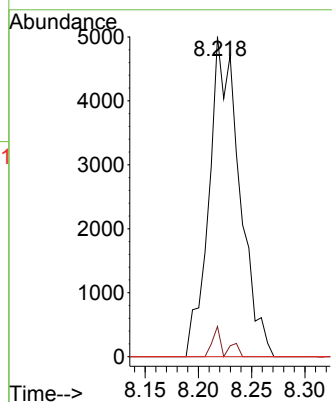
Tgt Ion:117 Resp: 9944

Ion Ratio Lower Upper

117 100

119 9.4 73.4 110.2#

121 0.0 24.4 36.6#



#41

Methacrylonitrile

Concen: 1.420 ug/l

RT: 7.783 min Scan# 991

Delta R.T. 0.006 min

Lab File: VN080840.D

Acq: 31 Jan 2024 15:08

Tgt Ion: 41 Resp: 1962

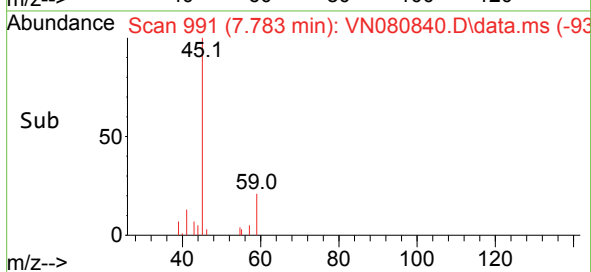
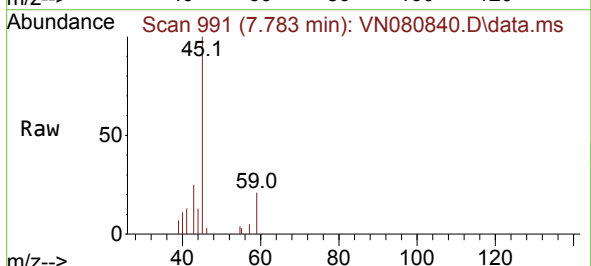
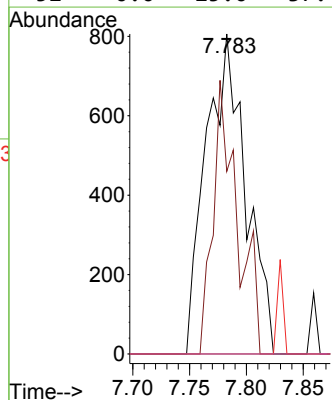
Ion Ratio Lower Upper

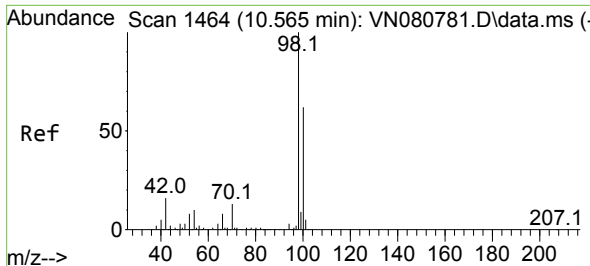
41 100

39 52.2 48.4 72.6

67 0.0 56.8 85.2#

52 0.0 25.0 37.4#

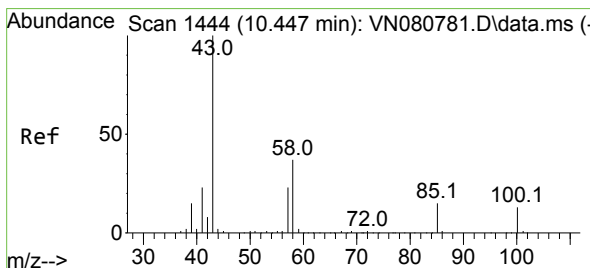
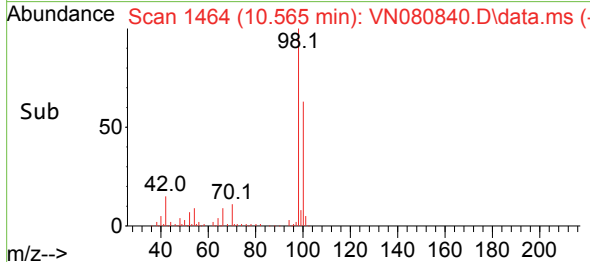
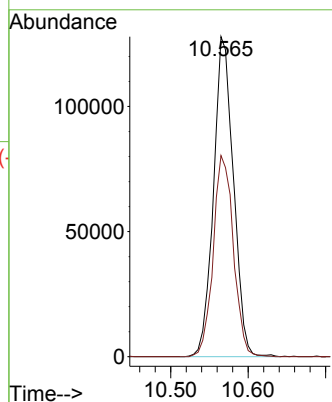
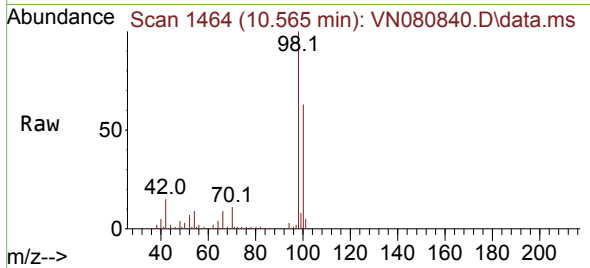




#50
Toluene-d8
Concen: 47.647 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN080840.D
Acq: 31 Jan 2024 15:08

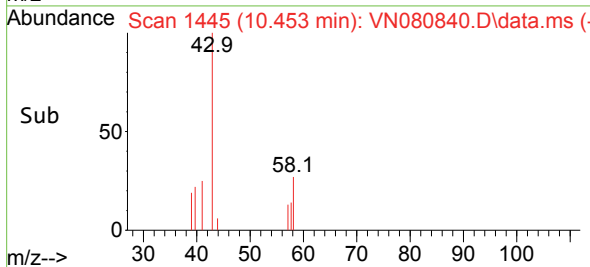
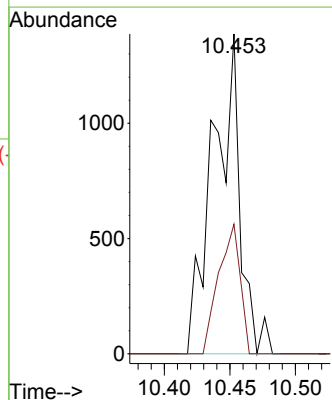
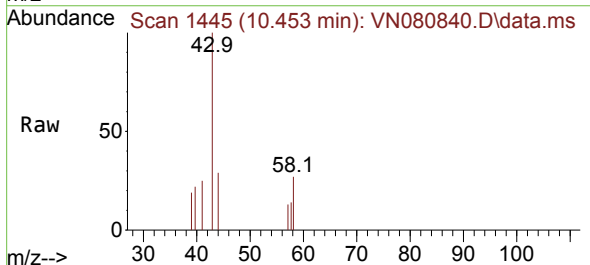
Instrument :
MSVOA_N
ClientSampleId :
1255

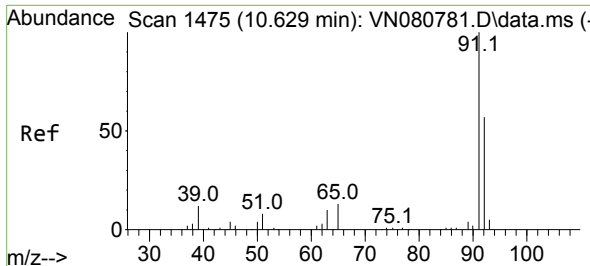
Tgt Ion: 98 Resp: 228467
Ion Ratio Lower Upper
98 100
100 63.6 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 0.833 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN080840.D
Acq: 31 Jan 2024 15:08

Tgt Ion: 43 Resp: 1988
Ion Ratio Lower Upper
43 100
58 32.3 29.4 44.0

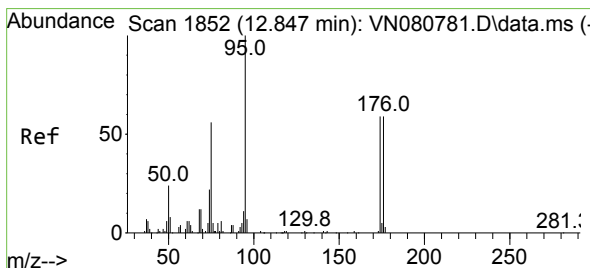
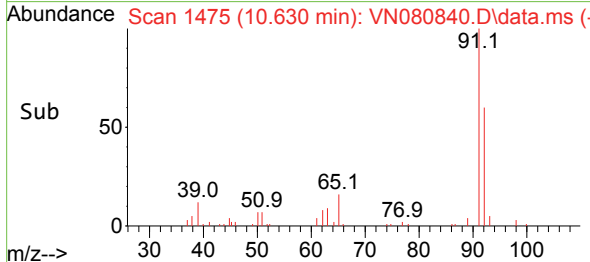
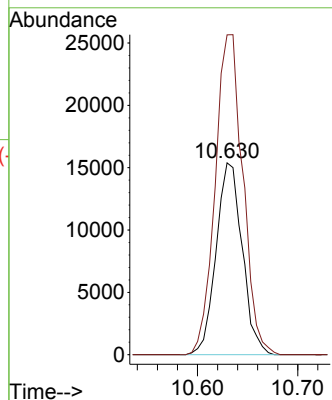
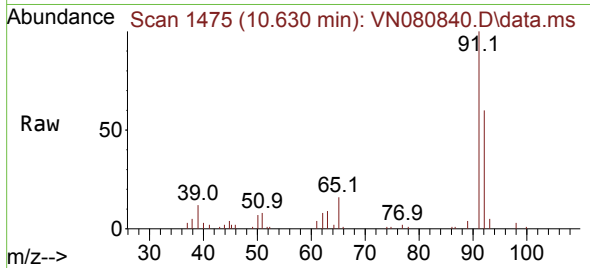




#52
Toluene
Concen: 7.242 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN080840.D
Acq: 31 Jan 2024 15:08

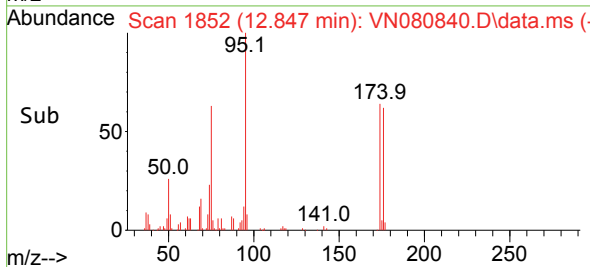
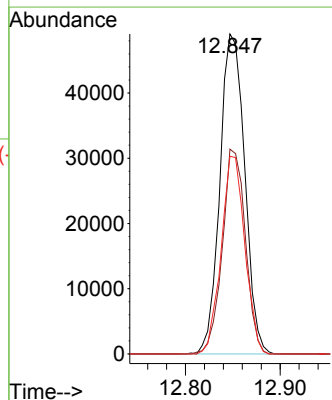
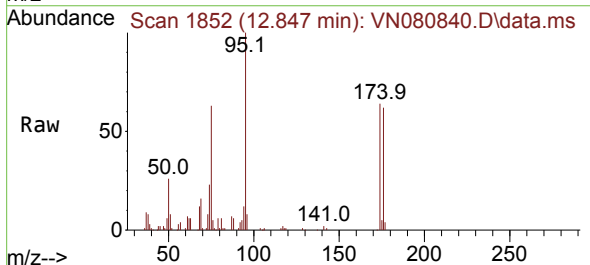
Instrument :
MSVOA_N
ClientSampleId :
1255

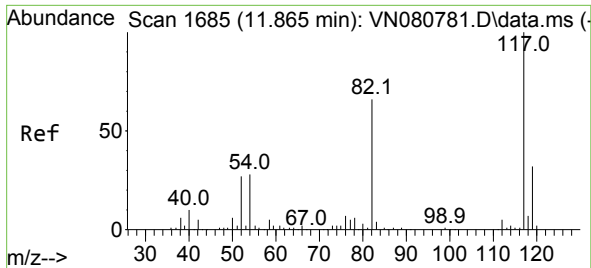
Tgt Ion: 92 Resp: 27789
Ion Ratio Lower Upper
92 100
91 177.3 139.4 209.0



#62
4-Bromofluorobenzene
Concen: 53.433 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN080840.D
Acq: 31 Jan 2024 15:08

Tgt Ion: 95 Resp: 89283
Ion Ratio Lower Upper
95 100
174 59.6 0.0 120.4
176 59.0 0.0 121.0

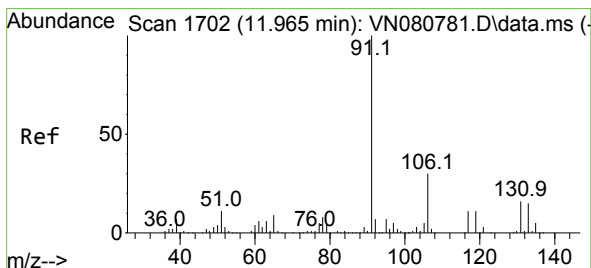
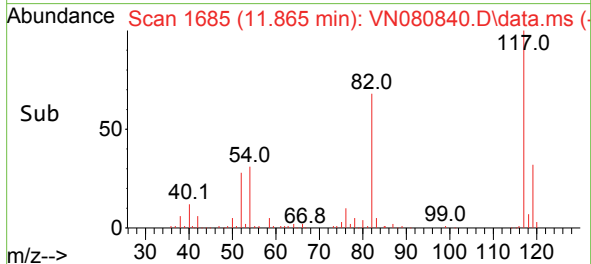
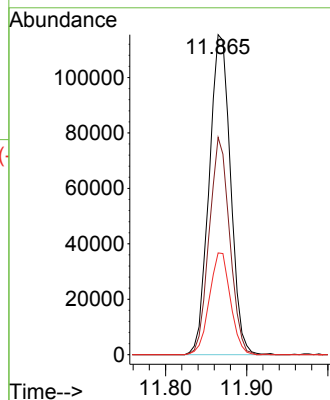
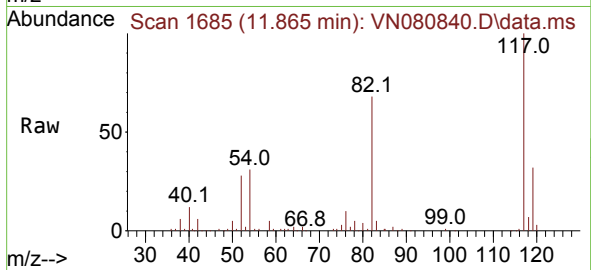




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN080840.D
Acq: 31 Jan 2024 15:08

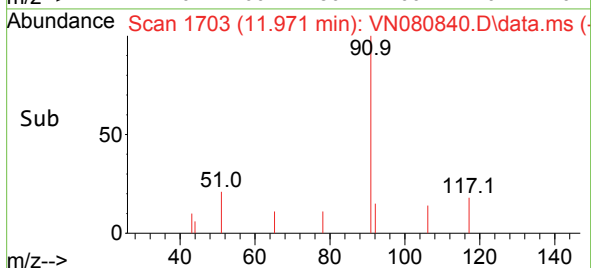
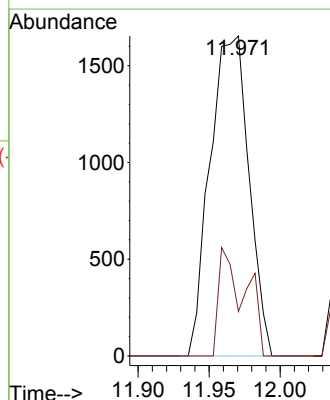
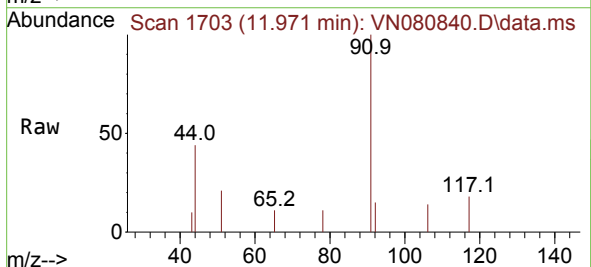
Instrument :
MSVOA_N
ClientSampleId :
1255

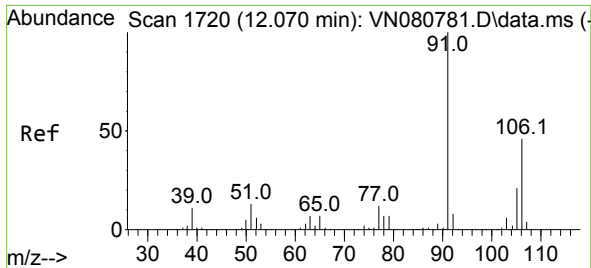
Tgt Ion:117 Resp: 211199
Ion Ratio Lower Upper
117 100
82 67.9 52.7 79.1
119 31.8 25.3 37.9



#67
Ethyl Benzene
Concen: 0.367 ug/l
RT: 11.971 min Scan# 1703
Delta R.T. 0.006 min
Lab File: VN080840.D
Acq: 31 Jan 2024 15:08

Tgt Ion: 91 Resp: 3147
Ion Ratio Lower Upper
91 100
106 13.9 23.8 35.6#

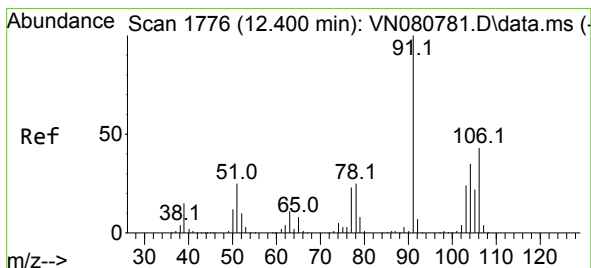
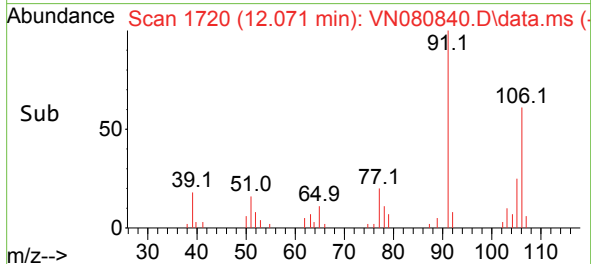
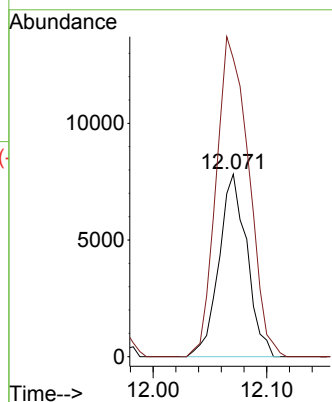
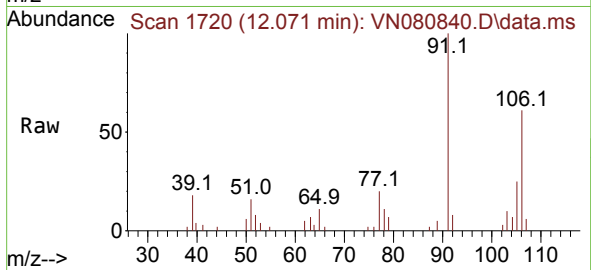




#68
m/p-Xylenes
Concen: 4.413 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN080840.D
Acq: 31 Jan 2024 15:08

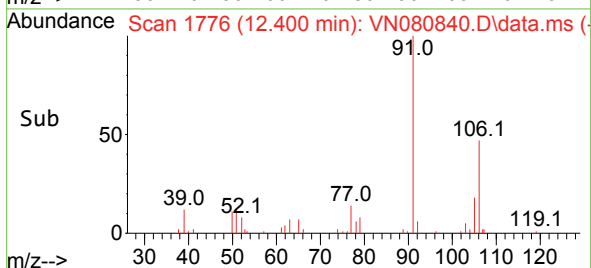
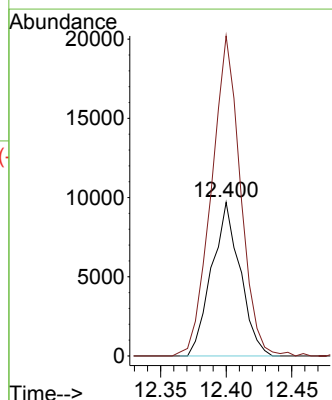
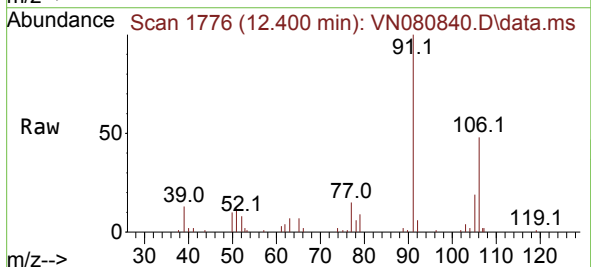
Instrument :
MSVOA_N
ClientSampleId :
1255

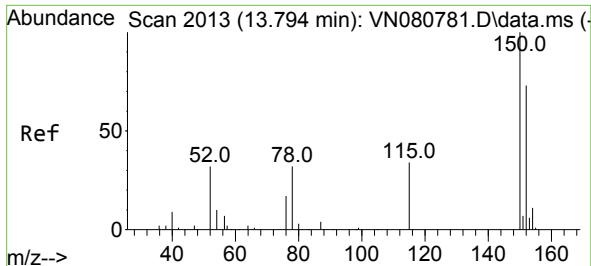
Tgt Ion:106 Resp: 13427
Ion Ratio Lower Upper
106 100
91 202.7 169.0 253.6



#69
o-Xylene
Concen: 4.843 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VN080840.D
Acq: 31 Jan 2024 15:08

Tgt Ion:106 Resp: 14640
Ion Ratio Lower Upper
106 100
91 212.6 112.1 336.3

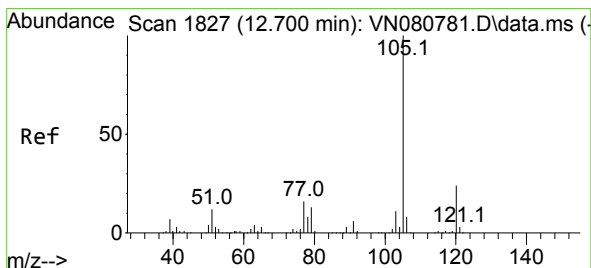
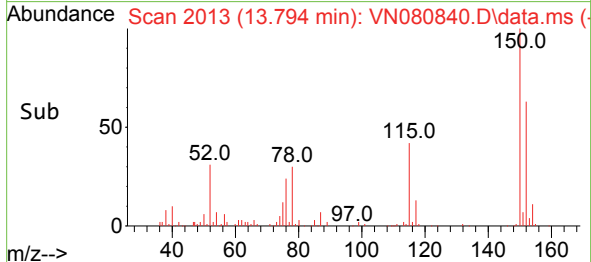
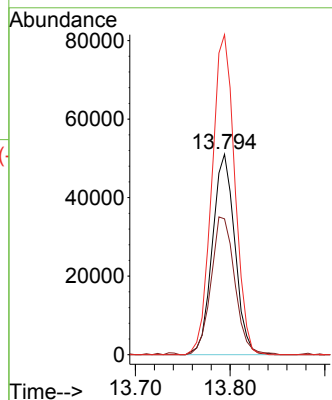
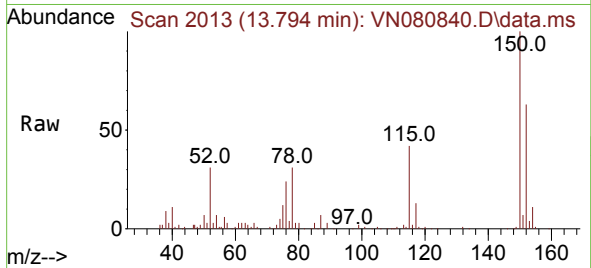




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 2013
 Delta R.T. 0.000 min
 Lab File: VN080840.D
 Acq: 31 Jan 2024 15:08

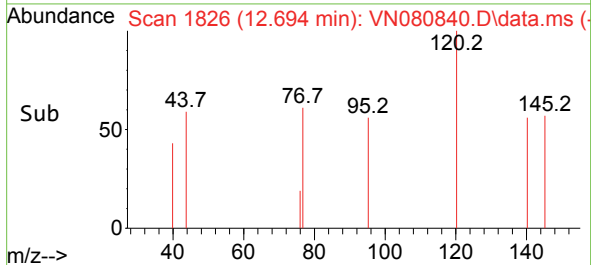
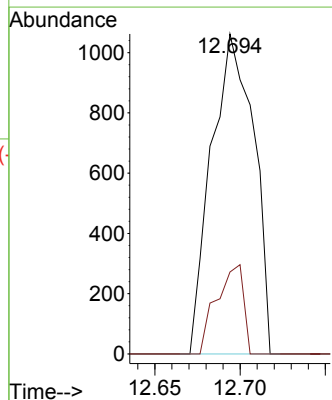
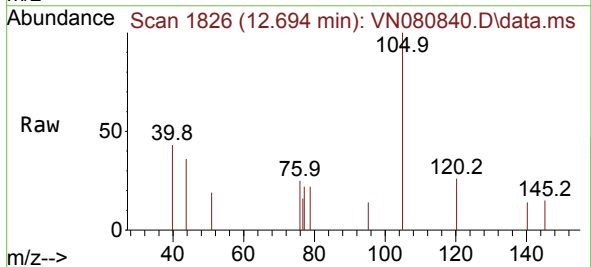
Instrument :
 MSVOA_N
 ClientSampleId :
 1255

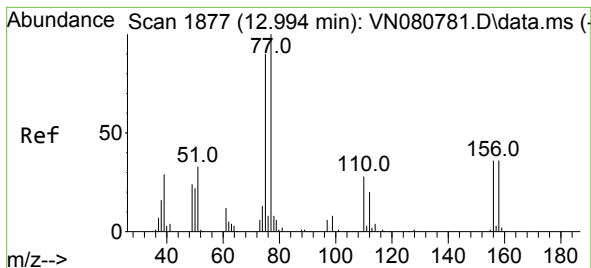
Tgt Ion:152 Resp: 83790
 Ion Ratio Lower Upper
 152 100
 115 72.8 32.3 96.8
 150 163.1 0.0 339.8



#73
 Isopropylbenzene
 Concen: 0.239 ug/l
 RT: 12.694 min Scan# 1826
 Delta R.T. -0.006 min
 Lab File: VN080840.D
 Acq: 31 Jan 2024 15:08

Tgt Ion:105 Resp: 1835
 Ion Ratio Lower Upper
 105 100
 120 17.7 12.6 37.6





#76

1,2,3-Trichloropropane

Concen: 20.879 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN080840.D

Acq: 31 Jan 2024 15:08

Instrument :

MSVOA_N

ClientSampleId :

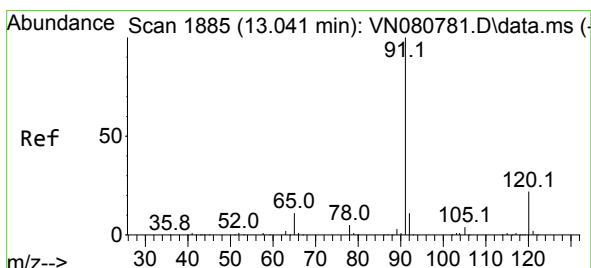
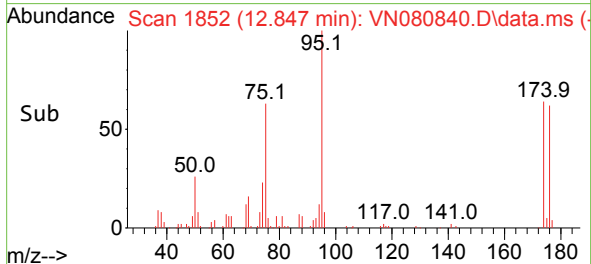
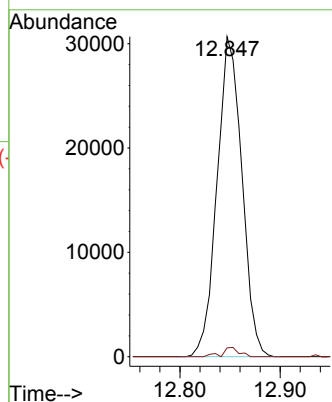
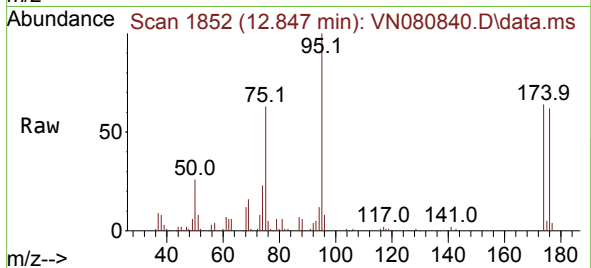
1255

Tgt Ion: 75 Resp: 52763

Ion Ratio Lower Upper

75 100

77 1.9 91.0 272.8#



#78

n-propylbenzene

Concen: 0.488 ug/l

RT: 13.035 min Scan# 1884

Delta R.T. -0.006 min

Lab File: VN080840.D

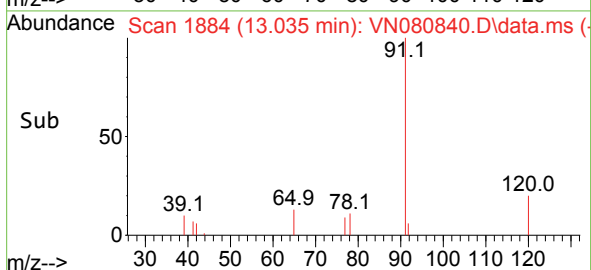
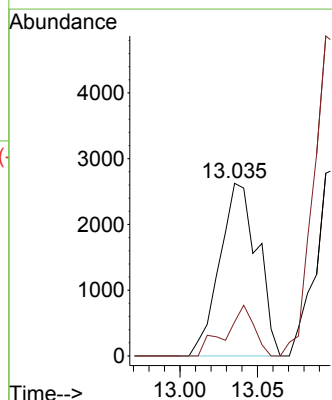
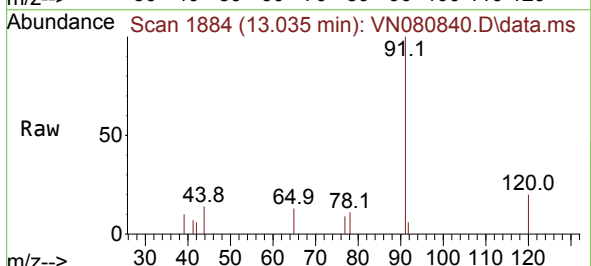
Acq: 31 Jan 2024 15:08

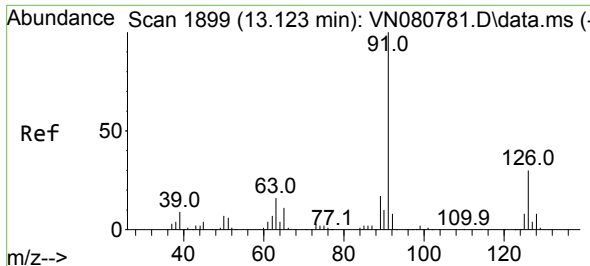
Tgt Ion: 91 Resp: 4472

Ion Ratio Lower Upper

91 100

120 22.1 10.3 30.9

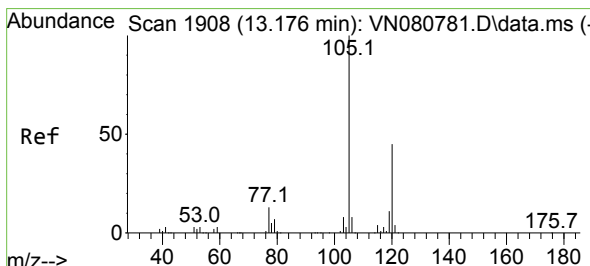
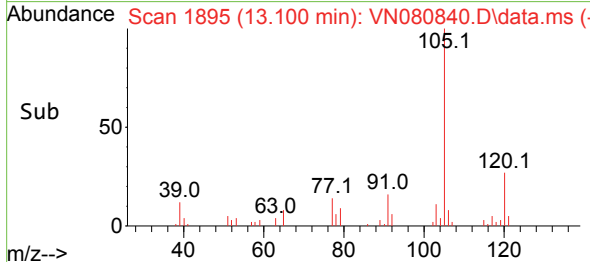
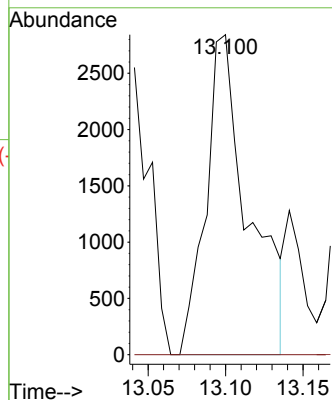
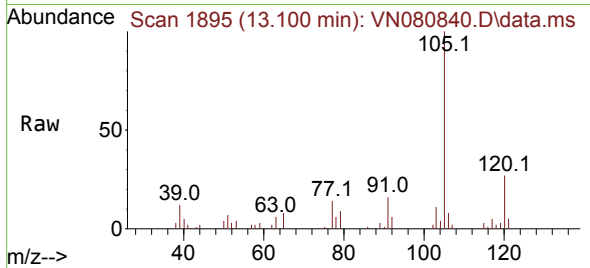




#79
2-Chlorotoluene
Concen: 0.931 ug/l
RT: 13.100 min Scan# 11
Delta R.T. -0.023 min
Lab File: VN080840.D
Acq: 31 Jan 2024 15:08

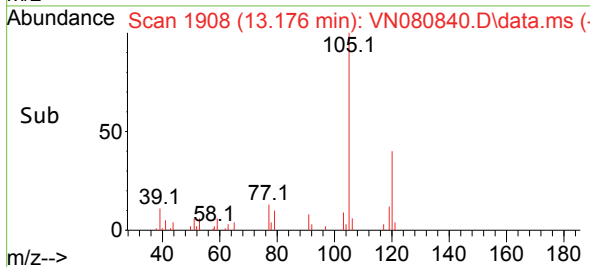
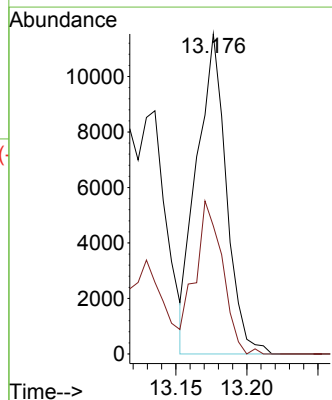
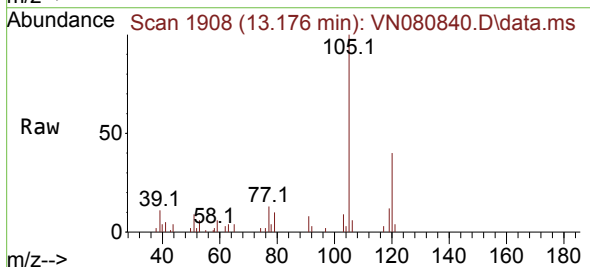
Instrument :
MSVOA_N
ClientSampleId :
1255

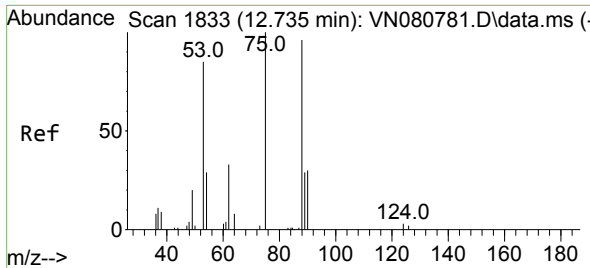
Tgt Ion: 91 Resp: 5427
Ion Ratio Lower Upper
91 100
126 0.0 14.8 44.4#



#80
1,3,5-Trimethylbenzene
Concen: 2.731 ug/l
RT: 13.176 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VN080840.D
Acq: 31 Jan 2024 15:08

Tgt Ion: 105 Resp: 16686
Ion Ratio Lower Upper
105 100
120 44.2 23.0 69.0

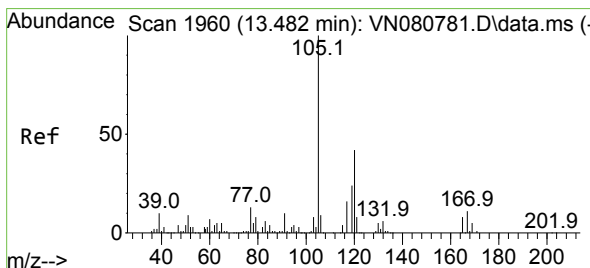
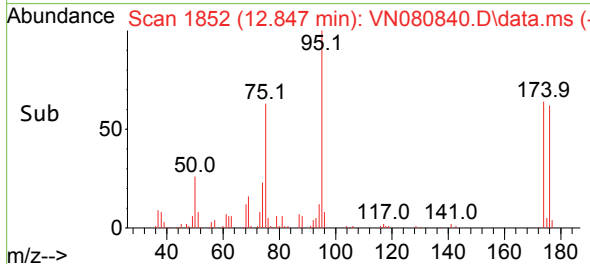
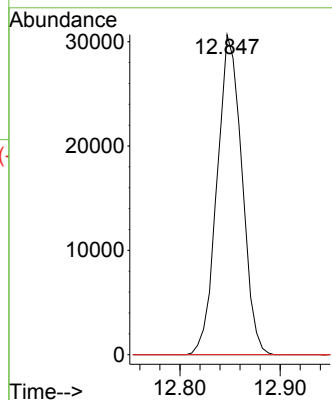
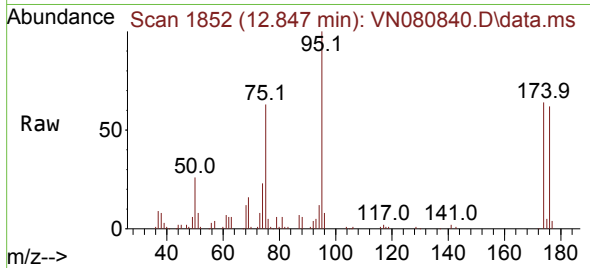




#81
trans-1,4-Dichloro-2-butene
Concen: 53.787 ug/l
RT: 12.847 min Scan# 1833
Delta R.T. 0.112 min
Lab File: VN080840.D
Acq: 31 Jan 2024 15:08

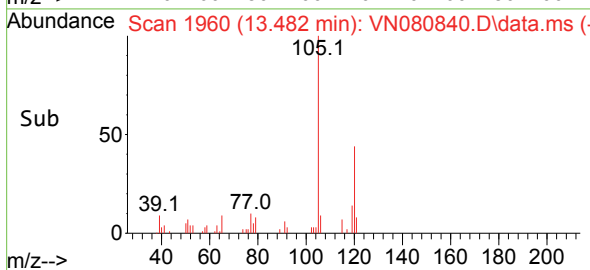
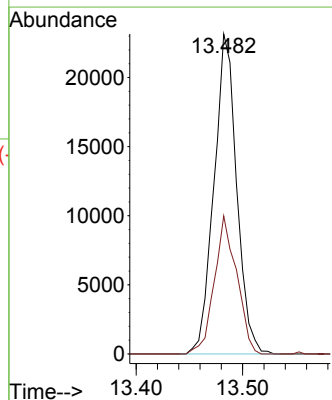
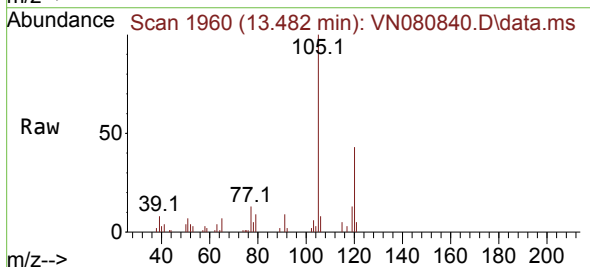
Instrument :
MSVOA_N
ClientSampleId :
1255

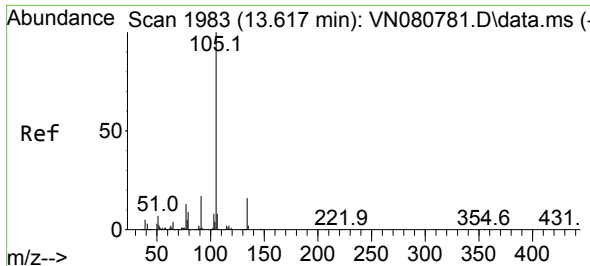
Tgt Ion: 75 Resp: 52763
Ion Ratio Lower Upper
75 100
53 0.0 71.4 107.2#
89 0.0 33.4 50.0#



#84
1,2,4-Trimethylbenzene
Concen: 5.537 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN080840.D
Acq: 31 Jan 2024 15:08

Tgt Ion:105 Resp: 34279
Ion Ratio Lower Upper
105 100
120 42.6 20.9 62.7

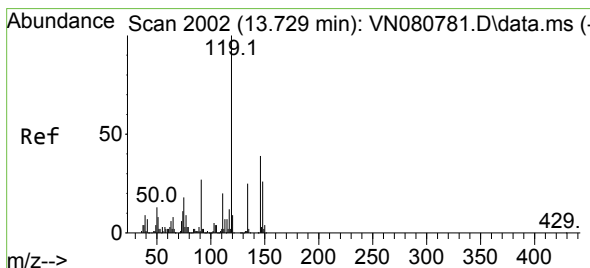
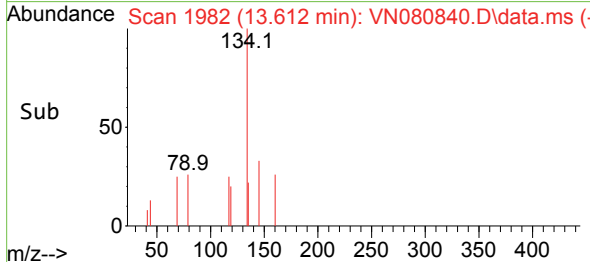
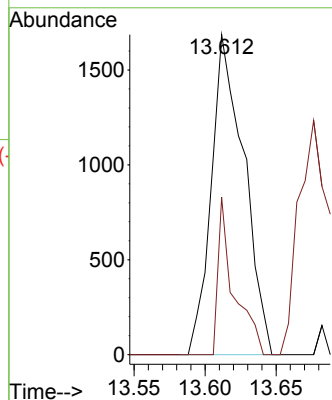
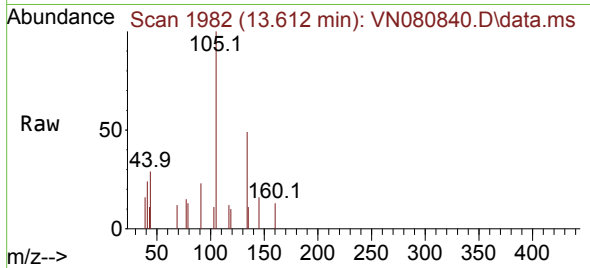




#85
 sec-Butylbenzene
 Concen: 0.374 ug/l
 RT: 13.612 min Scan# 1982
 Delta R.T. -0.006 min
 Lab File: VN080840.D
 Acq: 31 Jan 2024 15:08

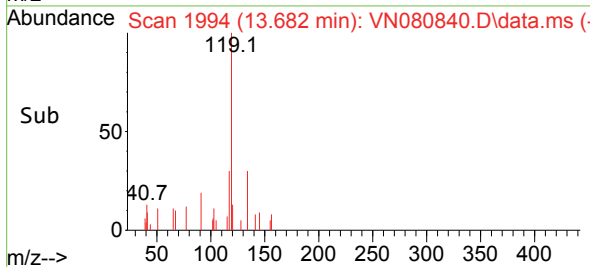
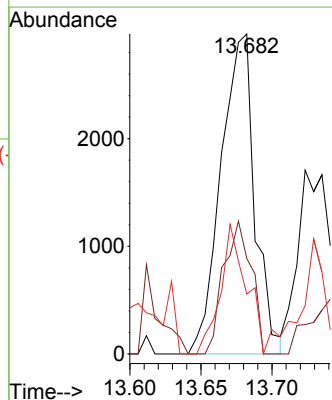
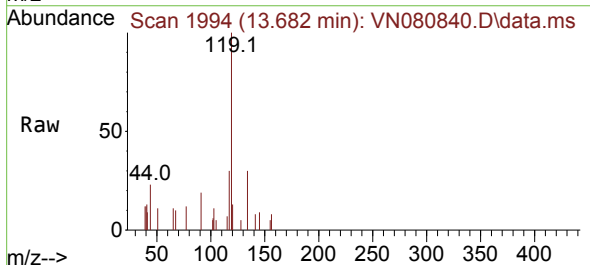
Instrument :
 MSVOA_N
 ClientSampleId :
 1255

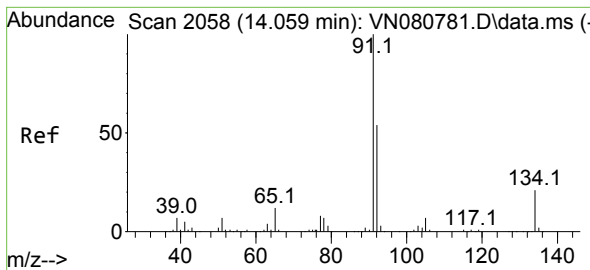
Tgt Ion:105 Resp: 2694
 Ion Ratio Lower Upper
 105 100
 134 23.8 8.6 25.8



#86
 p-Isopropyltoluene
 Concen: 0.880 ug/l
 RT: 13.682 min Scan# 1994
 Delta R.T. -0.047 min
 Lab File: VN080840.D
 Acq: 31 Jan 2024 15:08

Tgt Ion:119 Resp: 4922
 Ion Ratio Lower Upper
 119 100
 134 34.0 12.4 37.2
 91 33.7 13.5 40.4

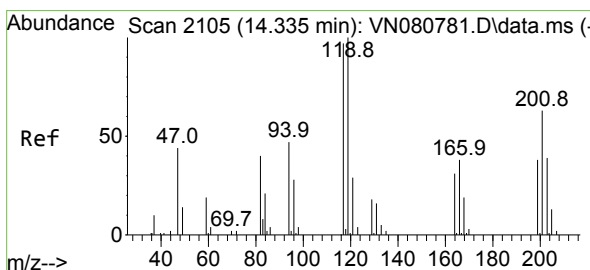
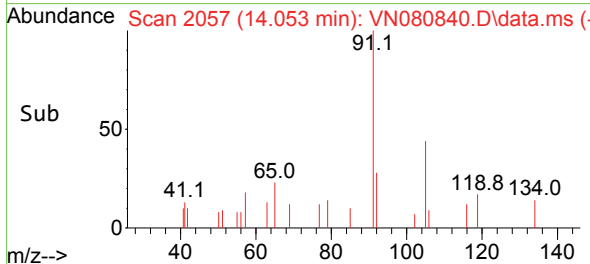
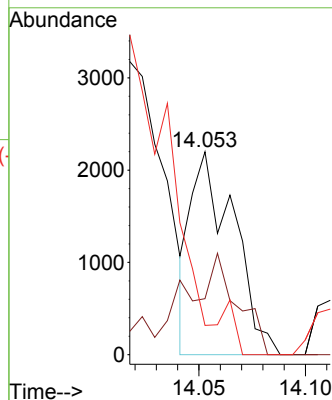
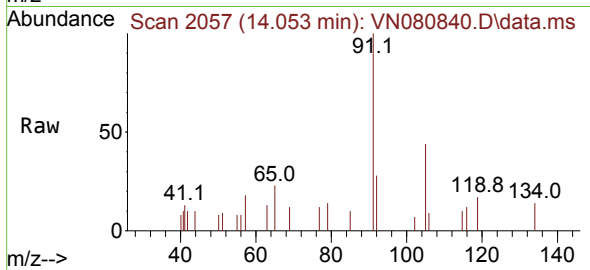




#89
n-Butylbenzene
Concen: 0.563 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.006 min
Lab File: VN080840.D
Acq: 31 Jan 2024 15:08

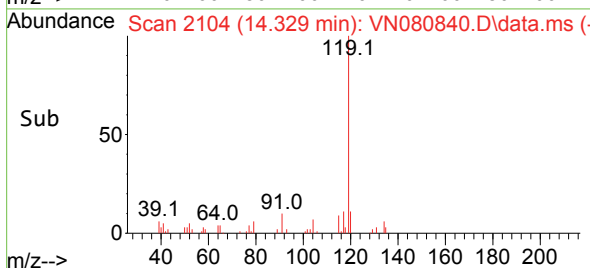
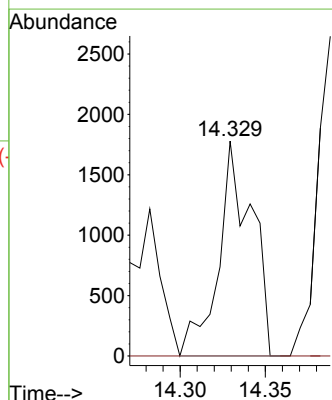
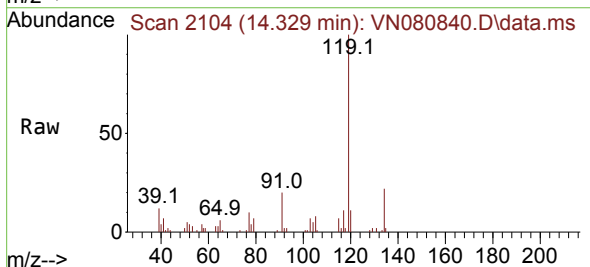
Instrument :
MSVOA_N
ClientSampleId :
1255

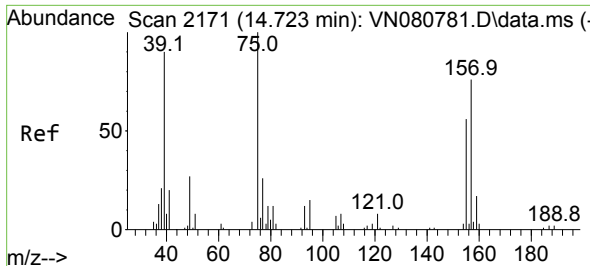
Tgt Ion: 91 Resp: 3082
Ion Ratio Lower Upper
91 100
92 64.4 26.7 80.1
134 0.0 10.8 32.4#



#90
Hexachloroethane
Concen: 2.463 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.006 min
Lab File: VN080840.D
Acq: 31 Jan 2024 15:08

Tgt Ion: 117 Resp: 2410
Ion Ratio Lower Upper
117 100
201 0.0 30.0 90.0#

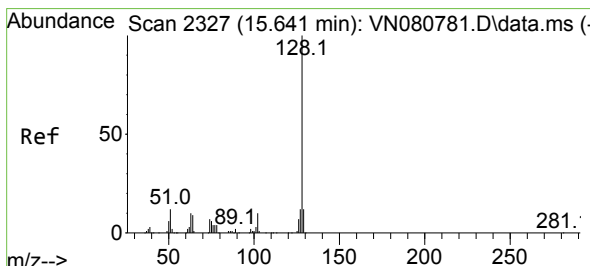
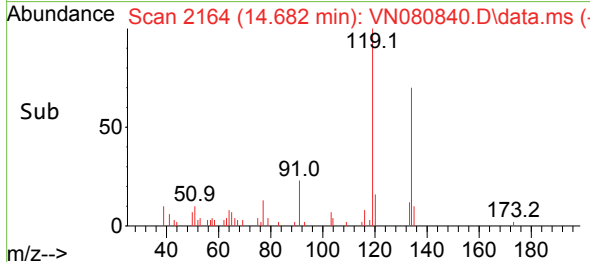
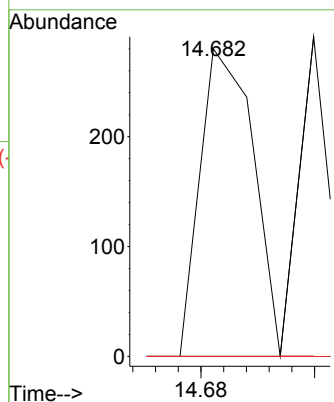
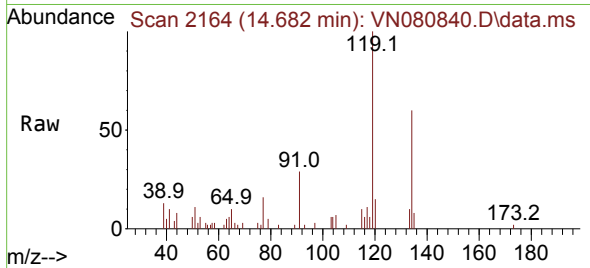




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.361 ug/l
 RT: 14.682 min Scan# 2171
 Delta R.T. -0.041 min
 Lab File: VN080840.D
 Acq: 31 Jan 2024 15:08

Instrument :
 MSVOA_N
 ClientSampleId :
 1255

Tgt Ion: 75 Resp: 182
 Ion Ratio Lower Upper
 75 100
 155 0.0 31.8 95.4#
 157 0.0 41.1 123.4#



#95
 Naphthalene
 Concen: 9.746 ug/l
 RT: 15.641 min Scan# 2327
 Delta R.T. 0.000 min
 Lab File: VN080840.D
 Acq: 31 Jan 2024 15:08

Tgt Ion: 128 Resp: 51543
 Ion Ratio Lower Upper
 128 100
 127 13.4 10.0 15.0
 129 12.0 8.7 13.1

